LABDEX

Mould Incubator LX401MLI

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Description

Mould Incubator LX401MLI features a unique air circulation design for uniform temperature distribution. Its outer shell is made of cold-rolled steel with an electrostatic powder-coated finish. It is equipped with double doors and advanced PID control with temperature and humidity sensors, making it ideal for constant-temperature experiments and environmental tests requiring precise humidity control.

Specifications

Volume	150 L
Cycle mode	Forced convection
Temp. range	No humidification: 0 - 65°C, humidification: 10 - 65°C
Temp. resolution ratio	0.1°C
Temp. motion	High temp. ± 0.5°C, Low temp. ± 1°C
Temp. uniformity	± 1°C
Humidity range	45% - 95% RH
Humidity stability	± 5% RH
Inner chamber	Mirror stainless steel
No. of shelves	9
Shelf space	35 mm
Outer shell	Cold rolling steel electrostatic spraying exterior
Insulation layer	Polyurethane

Heater	Stainless steel heater
Compressor	Air cooled hermetic compressor
Cryogen	R134a
Defrost structure	Automatic control intelligent defrosting
Humidifying method	External
Test hole	Plastic test hole φ 43 mm
Sterilizing lamp	Standard ozone free type
Controlled external power supply	Universal socket (one)
Temp. control mode	30 Segment LCD program
Temp. setting mode	Touch button setting
Temp. display mode	LCD
Humidity controlled mode	Auto
Timer	0 - 99.9 Hours 30 segment (with timing wait function)
Operation function	Fixed value operation, timing function, auto-stop, program operation
Sensor	PT100
Humidity sensor	High precision anti-condensation
Safety device	Over temperature, over humidity, over water shortage alarm

Inner chamber size (W x L x H)	490 x 400 x 750 mm
Load per rack	15 Kg
Power	2.0 kW
Power supply	AC 220 V, 50/60 Hz / 9.1 A
External dimension (W x L x H)	646 x 641 x 1301 mm
Net weight	86 Kg
Packing dimension (W x L x H)	760 x 730 x 1490 mm
Gross weight	120 Kg

Features

- Unique breeze-circulation fan for uniform temperature distribution
- LCD color screen display
- Advanced PID temperature control system
- Integrated temperature and humidity sensor
- Equipped with R134a refrigerant and an air-cooled hermetic compressor
- Forced-air convection function
- Intelligent automatic defrosting system
- Over-temperature, over-humidity, and water-shortage alarms
- Sensor deviation correction, menu key lock, and power-off parameter memory
- UV lamp with loop self-diagnosis function
- Designed with double doors for convenient sample observation

Applications

- It is ideal for constant-temperature and humidity-controlled incubation of

mould, microorganisms, and samples in research and industrial laboratories.

Standard Accessories

- Shelf x 2
- Shelf rack x 4

Optional Platform

- Spare shelf
- Touch screen controller
- RS485 interface
- USB interface
- Software
- Printer
- Recorder
- Remote control
- U-disk storage

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